



MLL-III-785-Lock/1~600mW



**LOW NOISE INFRARED  
DIODE LASER AT 785nm**

It features ultra compact design, long lifetime, cost-effectiveness and easy operation. They are specially designed for Raman spectroscopy, measurement, communication, spectrum analysis, etc.



SPECIFICATIONS

Central wavelength (nm)	785±0.6	
Operating mode	CW	
Output power (mW)	>1, 50, 100, ... ,600	
Power stability (rms, over 4 hours)	<3%, <2%, <1%	
Transverse mode	Multimode	
Spectral line width(nm)	0.2 (0.1, 0.06 optional)	
Noise of amplitude(rms, 1Hz~20MHz)	<1%	
Dimensions of beam at the aperture (mm)	~10×1	
Beam divergence, full angle (mrad)	<3.0	
Warm-up time (minutes)	<5	
Beam height from base plate (mm)	24.8	
Operating temperature (°C)	10~35	
Power supply	85-264VAC	PSU-III-LED/ PSU-III-FDA (Frequency for 1Hz-30kHz)
	100-240VAC	PSU-A-D (Frequency for 30kHz -100kHz)
Modulation optional	TTL on/off, 1Hz-1kHz, 1kHz-10kHz, 10kHz-30kHz, 30kHz-100kHz; and Analog modulation optional	
Expected lifetime (hours)	10000	
Warranty	1 year	



MLL-III-785-Lock	PSU-III-LED	PSU-III-FDA	PSU-A-D
<p>146 (L) × 73(W) × 46.2 (H) mm<sup>3</sup>, 0.7kg</p>	<p>188.6 (L) × 155(W) × 92 (H) mm<sup>3</sup>, 1.5kg</p>	<p>171(L) × 130(W) × 62.2 (H) mm<sup>3</sup>, 1.2kg</p>	<p>162(L) × 144(W) × 70 (H) mm<sup>3</sup>, 1.0kg</p>